

WHAT IS CLAIMED IS:

5       1.    A portable collapsible environmental control apparatus comprising:

          a framework having a set of extendable vertical supports,  
          a collapsible horizontal support element extending  
between vertical supports at the base of the second vertical  
10       supports,

          first collapsible supports extending between a pair of  
adjacent vertical supports along the lengthwise dimension of  
the enclosure,

          second collapsible supports extending between a pair of  
15       adjacent vertical supports along the widthwise dimension of  
the enclosure,

          a plurality of sliders mounted on each vertical support  
and connected to a bottom portion of each of the first and  
second collapsible supports and

20       a flexible collapsible containment envelope secured to  
the interior of the framework and extending from the top of  
the enclosure downward to enclose the sides and bottom of the  
enclosure wherein the vertical supports can be raised to  
ceiling level and held in position against the ceiling to  
25       create a controlled environment within the control apparatus.

2.    A control apparatus according to claim 1 comprising a  
first and second set of vertical supports, the second set  
being telescopically received in the first set.

30       3.    An apparatus according to claim 2 including a collapsible  
horizontal frame adapted to telescopically engage the vertical  
supports removably mounted at the top of the framework.

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4.    A control apparatus according to claim 3 wherein the  
envelope is open at the top to facilitate working in ceiling  
5       cavities.

5.    A control apparatus according to claim 4 including a  
removable opening in a vertical side of the envelope to permit  
ingress and egress of a worker when the enclosure is placed in  
10     working relation with a ceiling cavity.

6.    A control apparatus according to claim 5 including at  
least one duct extending through the envelope from the  
interior to the exterior of the enclosure.  
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7.    A control apparatus according to claim 6 having a filter  
apparatus connected to the duct for collecting airborne  
particulates drawn into the enclosure.

8.    A control apparatus according to claim 7 including a  
second duct extending through the envelope from the interior  
to the exterior of the enclosure.  
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9.    A control apparatus according to claim 8 having a  
negative air machine connected to the second duct for creating  
negative air pressure within the enclosure.  
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10.   A control apparatus according to claim 9 wherein a pair  
of wheels are attached to the enclosure at the base of the  
framework to facilitate moving the apparatus in the collapsed  
30     condition.

11.   A portable collapsible environmental control apparatus  
comprising:

35       a collapsible framework including extendable and

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retractable       vertical       and       horizontal       supports,  
a closed flexible impermeable envelope secured to the  
5       framework on the interior thereof, the framework and envelope  
when in the fully erected condition defining a working  
enclosure of sufficient interior size to permit a fully erect  
worker to function;and

10       a four sided extension attached to a side of the envelope  
adapted to be sealably attached around a door opening to  
isolate the environment of a room within.

12. A control apparatus according to claim 11 having at least  
one removable access panel in the envelope to permit access to  
15       and from the enclosure.

13. A control apparatus according to claim 12 having at least  
one transparent section in the side of the envelope to permit  
viewing into and out of the enclosure.

20       14. A control apparatus according to claim 13 having at least  
one part port in the side of the envelope for the attachment  
of air pressure reducing equipment.

25       15. A control apparatus according to claim 12 wherein the  
access panel is in the side of envelope opposite the four-  
sided extension.

30       16. A control apparatus according to claim 12 wherein two or  
more removable access panels are provided in the sides of the  
envelope.

35       17. A control apparatus according to claim 12 wherein the  
removable panel is provided in the top of the envelope.

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18. A control apparatus according to claim 14 wherein the  
port is mounted in a removable panel.

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